

Cal., and Hot Springs, Nev., 0.08; Pt. San Jose and Visalia, Cal. and Eugene City, Or., 0.09; Salinas City, San Buenaventura, Oakland and Ione Cal., Carlin and Golconda, Nev., 0.10; Otego, Nev., and Texas Hill, Ariz., 0.12; Caliente, Napa and Pleasanton, Cal., and Palisade, Nev., 0.13; Merced, Cal., 0.14; Humboldt, Nev., 0.15; Battle Mountain and Winnemucca, Nev., and San Mateo, Cal., 0.16; Farmington and Presidio, Cal., 0.17; Lathrop, Cal. and Ft. Bridger, Wyo., 0.18; Lemoore and Rio Vista, Cal., 0.20; Davis, Cal., 0.23; Bidwell, Galt and Hollister, Cal., and Brookhaven, N. Y., 0.24; San Francisco and Alcatraz Island, Cal., and Boise City, Idaho, 0.25; Blue Creek Utah, 0.29; Ft. Gaston, Petaluma, Rocklin, Sacramento and South Valejo, Cal., and Linden and Somerville, N. J., 0.30; Pajaro and Suisun, Cal., and Carson City, Idaho, 0.31; Tehachapi, Cal., 0.32; Gilroy, Cal., 0.34; Milton, Port Angeles and Tehama, Cal., and Ft. Keogh, Mont., 0.35; Corinne, Utah and Williams, Cal., 0.37; Southington, Conn., 0.38; Santa Cruz, Cal., 0.39; Knight's Landing, Cal., 0.42; Salt Lake City, 0.43; Angel Island and Willows, Cal., 0.44; Belvidere, Ill., Catawissa, Pa., and Mt. Ida, Ark., 0.45; Fresno, Cal., 0.46; Calistoga, Cal., 0.48; Maricopa, Ariz., White Plains, Cal., Delaware Breakwater, Del. New Brunswick, N. J., and Ft. Douglass, Utah, 0.50

*Rainy Days.*—The number varied in New England from 7 to 16; Middle Atlantic states, 4 to 13; South Atlantic states, 4 to 18; Florida Peninsula, 18 to 22; East Gulf states, 7 to 13; West Gulf states, 6 to 17; Rio Grande valley, 5 to 11; Ohio valley and Tennessee, 9 to 13; Lower Lake region, 9 to 16; Upper Lake region, 13 to 20; extreme Northwest, 5 to 15; Upper Mississippi valley, 7 to 21; Missouri valley, 12 to 17; Northern slope, 6 to 10; Middle slope, 3 to 7; Southern slope, 4 to 8; Southern Plateau, 2 to 7; Middle Plateau, 0 to 3; Northern Plateau, 0 to 13; North Pacific region, 7 to 12; Middle Pacific region, 1 to 3; South Pacific region 0 to 1,

*Cloudy Days.*—The number varied in New England from 2 to 13; Middle Atlantic states, 1 to 10; South Atlantic states, 1 to 9; Florida Peninsula, 3 to 10; East Gulf states, 3 to 6; West Gulf states, 2 to 9; Rio Grande valley, 2 to 10; Ohio valley and Tennessee, 3 to 8; Lower Lake region, 2 to 11; Upper Lake region, 5 to 15; extreme Northwest, 5 to 10; Upper Mississippi valley, 6 to 11; Lower Missouri valley, 4 to 9; Northern slope, 3 to 10; Middle slope, 3 to 4; Southern slope, 4 to 8; Southern Plateau, 1 to 5; Middle Plateau, 0 to 2; Northern Plateau, 2 to 8; North Pacific region, 4 to 8; Middle Pacific region, 0 to 1; South Pacific region, 0 to 4.

*Snow.*—Pagosa Springs, Colo., 6th, on mountains; Fort Shaw, Mont., 28th; Fort Assinaboine, 27th; Ft. Bridger, W. T., 6th, 27th, 28th, 29th; Ft. Washakee, W. T., 5th, 6th, 29th; Genoa, Nebr., 16th, slight fall; Missoula, Mont., 19th, on surrounding mountains; Eagle Rock, Idaho, 2nd, 3rd, 25th, 29th; Dayton, Wash. Ty., 28th; Pomeroy, Wash. Ty., 27th; Winnemucca, 23rd, on mountains; Salt Lake City, 23rd, on mountains; Deadwood, 5th, 6th, 29th, 30th; Fort Meade, Dak., 6th; Cheyenne, 6th, 26th, 27th, 29th; Fort Custer, Mont., 30; Deer Lodge, Mont., 24th, 29th; Fort Shaw, Mont., 28th; Helena, Mont., 29th; Fort Ellis, Mont., 24th to 26th, 29th, 30th; Superior City, Mont., 25th; Missoula Ferry, Mont., 10th to 16th; Fort Assinaboine, Mont., 5th, 6th, 30th; Denver, 8th, on mountains; St. Vincent and Moorehead, Minn., 4th; Omaha, 16th; Des Moines, 16th, between this city and Atlantic, several inches; Carson City, Nev., 22nd, on mountains west of station; McGregor, Iowa, 16th, snow fell all day in the northwestern portion of the State, the storm moving from NW. to SE., and reaching eastward to Algona, Kossuth Co., where it fell to the depth of four inches; Creston, Iowa, 16th, quite heavy; a general snow storm was reported from southern Minnesota; Stuart, Iowa, 16th, between this point and Avoca on the Rock Island Railroad, four to six inches reported.

*Snow from a Cloudless Sky.*—Cheyenne, Wyo., 29th, 3.55 p. m., lasting 15 minutes.

*Hail storms* of unusual violence were reported as follows: Mankato, Minn., 2d, most violent ever known in this section; hailstones 15 inches in circumference were picked up after the storm had passed; several persons were seriously injured by the falling hail. There was considerable wind and a perfect deluge of rain after the hail. Owatonna, Minn., 2d, wind shifted from northwest to south as the storm advanced, the hail breaking all windows on the south and west exposures. Lawrence, Kan., 29th, hailstones two inches in diameter fell in large quantities; every window on the north side of Massachusetts avenue broken; a heavy wind accompanied the hail, uprooting trees and unroofing some buildings. Moorehead, Minn., 4th, hailstones one inch in diameter, breaking all windows having western exposure. Morgantown, 1st, hailstones one-fourth inch in diameter.

## RELATIVE HUMIDITY.

The percentage of mean relative humidity for the month ranges as follows: New England, from 74 to 89; Middle Atlantic states, 64 to 87; South Atlantic states, 68 to 82; East Gulf states, 67 to 78; West Gulf states, 52 to 77; Rio Grande valley, 68 to 80; Ohio valley and Tennessee, 65 to 73; Lower Lake region, 67 to 72; Upper Lake region, 70 to 82; extreme Northwest 66 to 79; Upper Mississippi valley, 62 to 80; Missouri valley, 66 to 78; Northern Slope, 46 to 66; Middle Slope, 45 to 61; Southern Slope, 53 to 71; Southern Plateau, 47 to 60; Middle Plateau, 25 to 34; Northern Plateau, 37 to 67; North Pacific region, 69 to 81; Middle Pacific region, 40 to 77; South Pacific region, 49 to 73.